ABSTRACT

The invention relates to a method of automatically configuring a HART multidrop system comprising a master device (1) and a plurality of slave devices (2_1, ... , 2_{15}) connected to said master device (1). The invention also relates to a HART multidrop system customized for the

5   implementation of the method according to the present invention. The method according to the present invention has the following steps:

       a)   connecting the slave devices (2_1, ... , 2_{15}) to the master device (1),

       b)   switching on the power source (3) for the slave devices (2_1, ... , 2_{15}) in the master device (1);

10   c)   transmitting the HART command "Write polling address" as a broadcast command from the master device (1) with a polling address not equal to zero causing all slave devices (2_1, ... , 2_{15}) connected to the master device (1) to be automatically switched to the multidrop mode and all slave devices (2_1, ... , 2_{15}) to obtain an identical address not equal to zero,

15   d)   changing the addresses for all slave devices (2_1, ... , 2_{15}) from an identical address to a unique address for each slave device (2_1, ... , 2_{15}).

(Fig. 1)